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STATE DOCUMENTS

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the
western
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**annual
report
1971**

WICHE



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WICHE is a public agency through which the people of the West work together across state lines to expand and improve education beyond the high school.

HISTORY:

- was created to administer the Western Regional Education Compact, which has been adopted by the legislatures of all the 13 western states;
- was formally established in 1951, after ratification of the compact by five state legislatures; program activities began in 1953.

ORGANIZATION:

- is composed of 39 commissioners, three from each state, appointed by their governors; they serve without pay;
- is served by a small professional staff, supplemented by consultants, councils, and committees.

PURPOSE:

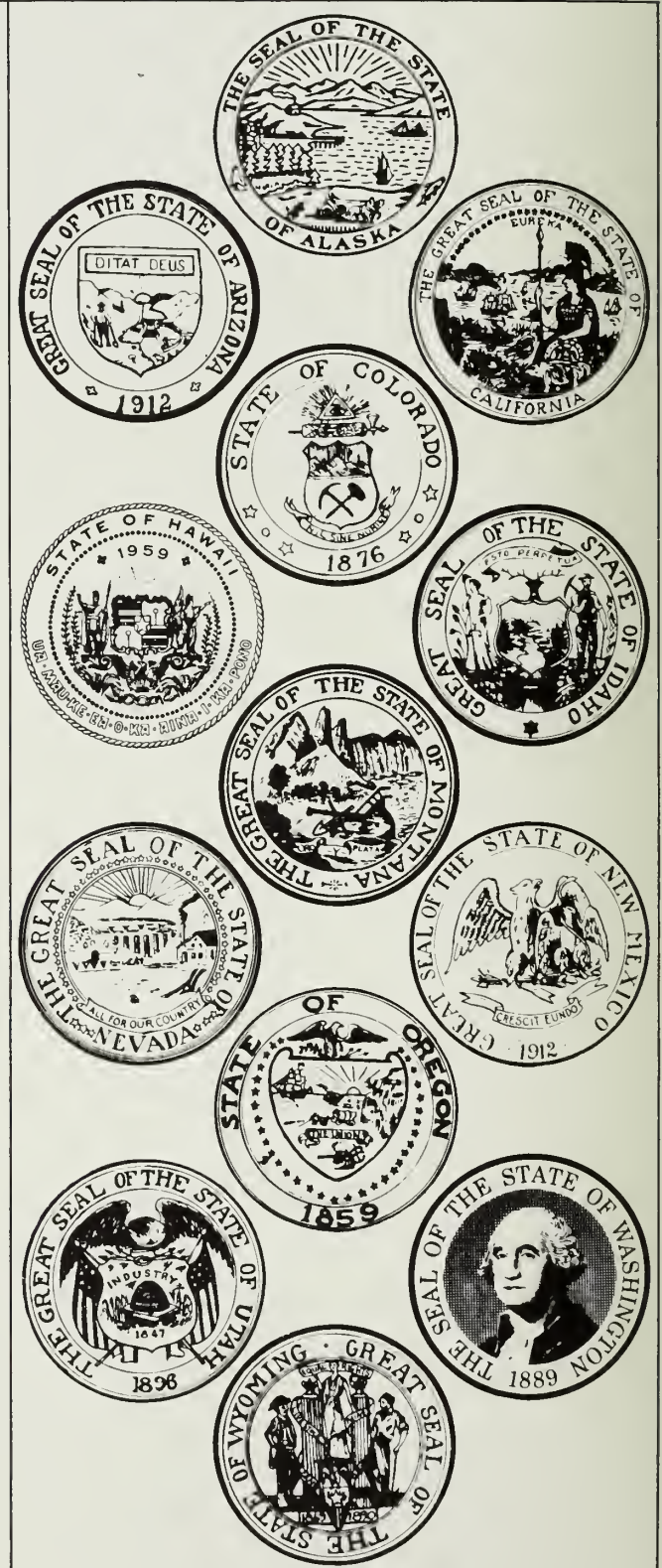
- seeks to increase educational opportunities for western youth;
- assists colleges and universities to improve both their academic programs and their institutional management;
- aids in expanding the supply of specialized manpower in the West;
- helps colleges and universities appraise and respond to changing educational and social needs of the region;
- informs the public about the needs of higher education.

PROGRAM AND PHILOSOPHY:

- serves as a fact-finding agency and a clearinghouse of information about higher education and makes basic studies of educational needs and resources in the West;
- acts as a catalyst in helping the member states work out programs of mutual advantage by gathering information, analyzing problems, and suggesting solutions;
- serves the states and institutions as an administrative and fiscal agent for carrying out interstate arrangements for educational services;
- has no authority or control over the member states or individual educational institutions; it works by building consensus based on joint deliberation and the recognition of relevant facts and arguments.

FINANCES:

- is financed in part by appropriations from the member states of \$15,000 annually; the states also contribute \$7,500 each to participate in a regional program in mental health, mental retardation, special education, corrections, rehabilitation, and the helping services;
- receives grants and contracts for special projects from private foundations and public agencies; for each dollar provided by the states during Fiscal Year 1972, WICHE will expend more than \$17 from non-state sources; in the past 16 years, grant and contract commitments have exceeded \$25 million.



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WICHE

**A REPORT TO THE GOVERNORS,
THE LEGISLATORS, AND THE PEOPLE
OF THE 13 WESTERN STATES.**

**WESTERN INTERSTATE COMMISSION
FOR HIGHER EDUCATION.**

**P.O. DRAWER P,
BOULDER, COLORADO 80302,**

JANUARY, 1972



a message from the director

Twenty years ago, in 1951, the Governors of five Western states signed legislation establishing the Western Regional Education Compact. By 1953, three other states joined; the first executive director was appointed; and program activity began. By 1959, all 13 eligible states had joined.

To date, the 13 western states have invested \$3,053,000 in WICHE's operation.

Question: What have the states received in return?

Answer: The "seed money" provided by the western states has made them beneficiaries of a host of significant regional programs. These programs have been mounted by WICHE and largely funded by private and public agencies, with grants totalling \$25 million. Over the years, the ratio of state dollars to grant dollars has been nearly eight to one. And this current year, the ratio is \$17 of grant support to \$1 of state support. In other words, just figuring dollar-for-dollar value, WICHE has proved to be a good investment for the western states.

This year's annual report can only highlight a few of WICHE's significant contributions. But as in years past, WICHE has continued its efforts to increase and improve educational opportunity for the people of the West, and to assist the colleges and universities to improve both their academic programs and their institutional management.

For example, the Student Exchange Programs, WICHE's oldest programs, have been expanded once again. New fields of professional education have been included which are not offered by sending states. This year, the number of exchange students rose to an all time high of 790. These students come from 11 states and attend 42 different professional schools. Since 1953, WICHE has served as the educational broker on behalf of the sending states and the receiving schools. In total, this accounts for 7,747 student years.

Currently, WICHE's 45 separately budgeted programs are organized under three divisions: General Regional Programs, Mental Health and Related Areas, and the National Center for Higher Education Management Systems at WICHE. The activities of each of these divisions are briefly outlined in the body of this report.

Fee Increase

At WICHE's annual meeting last August, the Commissioners voted to request the state legislatures to raise the WICHE yearly appropriation from its present \$15,000 per state to \$28,000. It will be ten years (1963) since WICHE last made such a request. The increase was carefully considered by the Commission, whose members agreed that this modest increase (an average of 6.4% per year) is needed to offset inflation and to provide for the increased costs of on-going programs.

These additional dollars will strengthen WICHE:

- by providing seed money for developing new programs to meet emerging, crucial higher education needs;
- by providing dollars for important grants which do not provide 100% funding;
- by providing a better balance between "hard" state dollars and "soft" grant dollars, to insure WICHE's continued viability;
- and by insuring the continuation of the biennial Legislative Work Conference.

But most important, it will reaffirm the West's commitment to WICHE and to the regional approach for solving selected problems in higher education.

The Commissioners and staff feel confident that WICHE has proved that it can grow with the times, and respond to contemporary needs. Over the years, WICHE has effectively identified higher education problems in the West and contributed significantly to their solution. This has been demonstrated by the increasing support of granting agencies, which have spotted WICHE as a doer in higher education.

Thus after ten years of accomplishment, the Commissioners did not hesitate to request an adjustment of the WICHE appropriation from the states. They felt confident that WICHE had proved its ability to pay the highest of dividends for the states' investment.

We seek the support of all those who think likewise.

Robert H. Kroepsch
Executive Director

commissioners

As of January, 1972

The WICHE Commission is composed of 39 dedicated men and women, who serve without pay as the board of directors for the organization. They are the decision makers, the providers of ideas, and the takers of the western pulse in higher education.



ALASKA

*Mrs. Delia Pruhs, Fairbanks
John S. Hellenthal, Attorney, Anchorage
Dr. William R. Wood, President, University of Alaska



ARIZONA

*Dr. Richard A. Harvill, President Emeritus, University of Arizona
W.O. (Fred) Craft, Jr., Assistant U.S. Attorney, Phoenix
Dermont W. Melick, M.D., Coördinator, Arizona Regional Medical Program, College of Medicine, University of Arizona



CALIFORNIA

*Dr. Rita R. Campbell, Senior Fellow, Hoover Institution, Stanford University
Dr. Glenn S. Dumke, Chancellor, California State College and University System, Los Angeles
Dr. W. Ballentine Henley, President of the Board of Trustees, United Church of Religious Science, Los Angeles



COLORADO

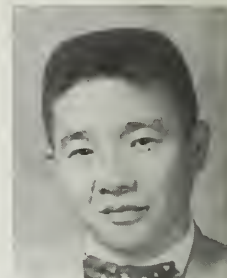
*Dr. Kathryn M. Smith, Dean, School of Nursing, University of Colorado Medical Center
Dr. William E. Morgan, President Emeritus, Colorado State University
C. Gale Sellens, President, Lakeside National Bank, Wheatridge

HAWAII

***Dr. Frederick P. Haehnle, Jr.**, Professor of Educational Psychology, University of Hawaii

John B. Connell, Life Underwriter, Insurance Company; Communications Coordinator, Model Cities Program, Kailua

George Goto, M.D., Honolulu

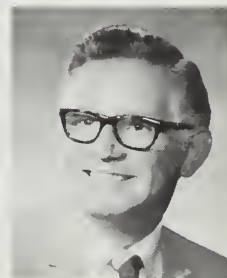


IDAHO

***Martha D. Jones**, M.D., Boise

Dr. John B. Barnes, President, Boise State College

Dr. William E. Davis, President, Idaho State University



MONTANA

***Warren D. Bowman**, M.D., Billings

Edward W. Nelson, Executive Secretary, The Montana University System, Helena

Herman C. Ross, D.V.M., Kalispell



NEVADA

***Dr. Juonito Greer White**, State Assemblyman, Boulder City

Fred M. Anderson, M.D., Regent, University of Nevada

Dr. Thomas T. Tucker, Chairman, Department of School Administration and Supervision, College of Education, University of Nevada



NEW MEXICO

***Carter Kirk**, Land Developer, Deming

Dr. Ferrel Heady, President, University of New Mexico

Clory B. Tafaya, Principal, Valencia Elementary School, Las Lunas



OREGON

***Mrs. Edna Scales**, Portland

Dr. Roy E. Lieuallen, Chancellor, Oregon State System of Higher Education, Eugene

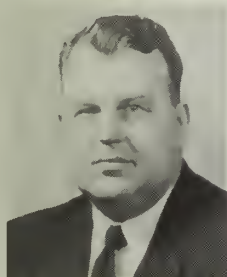
Lynn W. Newbry, State Senator, Ashland





UTAH

- ***Richard J. Moughan**, Member, State Board of Higher Education; Attorney, Salt Lake City
Dr. G. Homer Durham, Commissioner, State Board of Higher Education, Salt Lake City
Mrs. Dorothy K. Watkiss, Member, University of Utah Institutional Council



WASHINGTON

- ***Gordon Sondison**, State Senator; Insurance Broker, Port Angeles
James Furmon, Executive Coordinator, Council on Higher Education, Olympia
Dr. Glenn Terrell, President, Washington State University



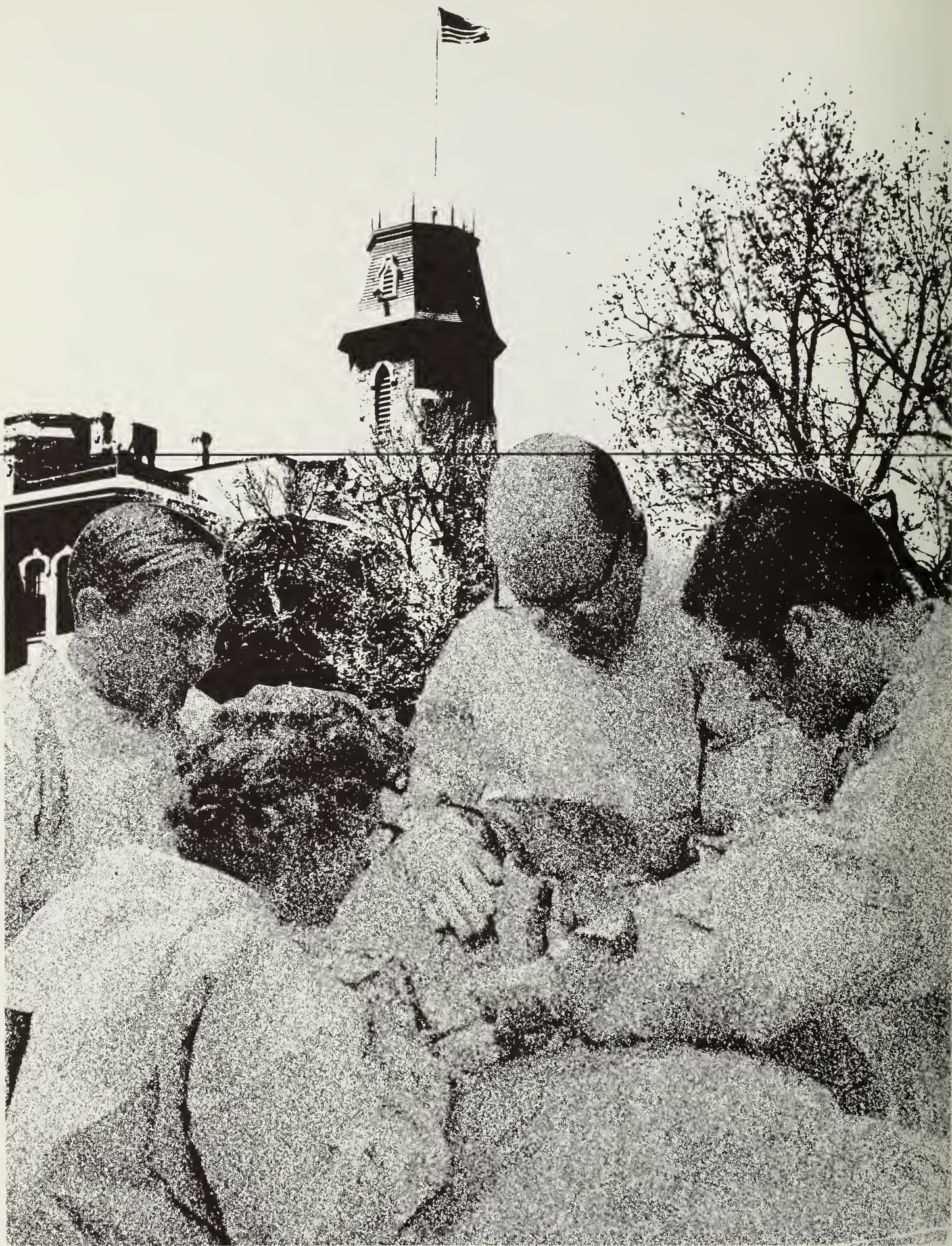
WYOMING

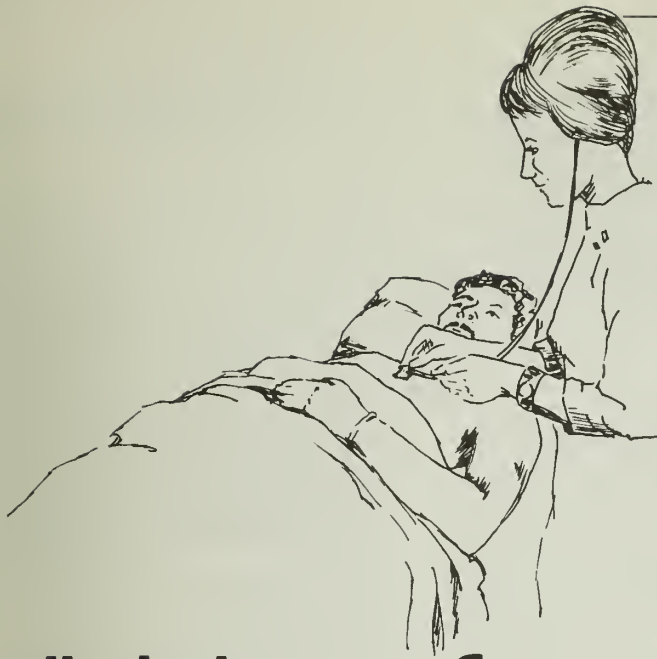
- ***Richard R. Jones**, State Senator, Cody
Francis A. Borrett, M.D., Cheyenne
Dr. William D. Corlson, President, University of Wyoming

*Members, Executive Committee

chairmen of WICHE

1951-53	Dr. O. Meredith Wilson	Dean, University College, University of Utah
1953-54	Dr. Tom L. Popejoy	President, University of New Mexico
1954-55	Dr. G. D. Humphrey	President, University of Wyoming
1955-56	Frank L. McPhail, M.D.	Physician, Great Falls, Montana
1956-57	Word Dorley, M.D.	President, University of Colorado
1957-58	Frank J. Von Dyke	Attorney, Medford, Oregon
1958-59	Dr. Fred D. Fogg, Jr.	President Emeritus, University of Southern California
1959-60	Dr. Richard A. Horvill	President, University of Arizona
1960-61	Alfred M. Popma, M.D.	Physician, Boise, Idaho
1961-62	Dr. C. Clement French	President, Washington State University
1962-63	Dr. Charles J. Armstrong	President, University of Nevada
1963-64	Dermont W. Melick, M.D.	Physician, Phoenix, Arizona
1964-65	Dr. Willford Wilson	Secretary, University of Hawaii
1965-66	Mrs. Thomas Scoles	Collector of Customs, Portland, Oregon
1966-67	Dr. William R. Wood	President, University of Alaska
1967-68	Gordon Sandison	State Senator, Port Angeles, Washington
1968-69	Dr. Merle E. Allen	Director, Coordinating Council of Higher Education, Utah
1969-70	John G. Mackie	Assistant Professor, Colorado Mountain College; Attorney, Carbondale
1970-71	Dr. Rita R. Campbell	Senior Fellow, Hoover Institution, Stanford University, California
1971-72	Francis A. Borrett, M.D.	Physician, Cheyenne, Wyoming





division of general regional programs

From the surgical table to the campus, WICHE's Division of General Regional Programs carries forth projects and programs which strike to the core of many western needs in higher education.

In this division, higher education is viewed from the broadest possible perspective. Programs are developed to meet both on-campus and off-campus needs.

Dr. Kevin Bunnell



Mrs. Patricia Locke (at right), director, WICHE's Ethnic Programs in Higher Education, outlines program plans for increasing access to higher education for Blacks, Chicanos, Asians, and Indians.

In recent years, health has been a major concern in the West. Therefore, this division, responding to the need, has concentrated on health education. One example is the \$1 million-a-year Mountain States Regional Medical Program covering the states of Idaho, Montana, Nevada, and Wyoming. Other examples include seven separate programs in nursing education. And there is the Student Exchange Program, which now offers interstate educational opportunities in eight health fields.

The Division of General Regional Programs has responded to other educational needs, as well. Programs have been mounted to improve and expand education's offerings for ethnic minorities, to train library personnel, to give college students a taste of real life with internship experiences, and to boost educational opportunities for community college students.

Division Director Kevin Bunnell describes the General Regional Programs as flexible. They are ready to meet new, and even unpredicted, needs in higher education. Of course as a regional agency, WICHE concentrates on interstate and interinstitutional programming.

According to Dr. Bunnell, program development is the heart of this division. The sole mission of the Special Higher Education Programs (SHEP) unit is to take the western pulse and create new and needed programs. Other division programs also concentrate on project development.

The products of this creativity have been many and varied. But perhaps most impressive have been the Mountain States Regional Medical Program and the SHEP-created National Center for Higher Education Management Systems, now a separate WICHE division with national importance.

division of general regional programs



Jack Arbolino, executive director, College-Level Examination Program, College Entrance Examination Board, speaks at a WICHE conference on Credit by Examination.

These Wyoming physicians carefully examine the subject during a surgical refresher course conducted by the Mountain States Regional Medical Program.



STUDENT EXCHANGE PROGRAMS

To share the educational resources of the West by providing opportunities for professional education when the specialty is not offered within the boundaries of the sending state through a system of student exchanges implemented at cooperating schools. Student exchange models may or may not involve interstate exchange of money.



Above. The topic was teaching innovations for nursing educators. Prof. Crystal Lange (top, right) of Delta (Mich.) College, coaches this nurse in simulation gameplaying. Chalk in hand, James Kent, Denver-based urban expert, explains community development.

Right. AA-degree nursing faculty pick up mental health concepts. Mrs. Joyce Reiswig (left), nursing instructor, Loma Linda U., jots notes during on-the-ward training. Miss Sandra Garfield (right), educational coordinator, Resthaven Psychiatric Hospital, explains the basics of psychodrama.

SPECIAL HIGHER EDUCATION PROGRAMS

To identify pertinent problems confronting general higher education in the West; to explore alternative solutions to these problems in cooperation with the West's colleges and universities; to begin preliminary program development designed to meet identified needs of the region; and to operate on a continuing basis a small number of higher education programs which provide necessary services to the people of the West.

MOUNTAIN STATES COMMUNITY COLLEGE CONSORTIUM

To enhance educational opportunities for students in community colleges in the four-state area of Idaho, Montana, Utah, and Wyoming. This will be achieved through interstate and interinstitutional cooperation and programming geared to the resolution of common problems that participating institutions share as small, geographically isolated, "developing institutions."



ETHNIC PROGRAMS IN HIGHER EDUCATION

To expand minority group access to higher education and to improve the relevance of educational experiences for these students and their communities.

WESTERN COUNCIL ON HIGHER EDUCATION FOR NURSING

To increase educational opportunities for students in nursing by developing programs in nursing education, based on sound educational principles; to identify and organize ways of coping with general nursing problems; and to improve care of patients by disseminating this knowledge throughout the western region.

CONTINUING EDUCATION PROGRAM FOR NURSES

To improve the leadership skills of nurses in teaching, supervision, and administrative positions through a series of short conferences aimed toward improving patient care provided for agencies and institutions employing the participant nurses.

NURSING RESEARCH CONFERENCES PROGRAM

Through an annual conference on nursing research, to share research findings, to receive and give stimulation for further research, and to facilitate the application of findings to patient care. Faculty are stimulated to use results of research in planning nursing school curricula.

REGIONAL PROGRAM FOR NURSING RESEARCH AND DEVELOPMENT

To provide a three-year program of consultation and work clinics directed toward increasing skills of nurses who are undertaking research, particularly in the area of patient care and care delivery, and then assisting these nurses to develop research projects. The goal of the program is to increase the number and quality of nursing research projects in the West.

IMPROVEMENT OF NURSING CURRICULA

To improve and revise curricula in western schools of nursing through integration of selected core concepts of nursing into associate degree, baccalaureate, and graduate programs; to provide information on and stimulate the use of additional innovations in the teaching-learning process.

CONTINUING EDUCATION PROGRAM FOR PSYCHIATRIC NURSES

To assist faculty in associate degree nursing programs to increase their content and skills in psychiatric mental health concepts throughout the nursing curriculum; and to increase the use of psychiatric mental health concepts by nurses in any health care setting.



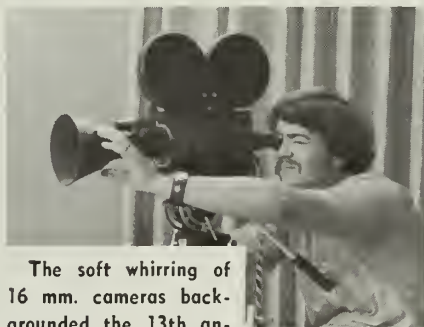
Resources Development Intern Barbara Greebe trained Lakewood (Colo.) policemen in videotaping techniques last summer.

NURSE FACULTY DEVELOPMENT TO MEET MINORITY GROUP NEEDS

To increase the numbers of minority group students who are recruited and complete nursing programs and to modify existing programs of nursing to include content which will increase the potential of their graduates to provide services relevant to the health needs of minority group communities. The project proposes to achieve these aims through a three-year regional faculty development program.

CONTINUING EDUCATION PROGRAM FOR LIBRARY PERSONNEL

To demonstrate and evaluate the effectiveness of a variety of continuing education methods, materials, and programs in preparing library personnel in all types of libraries and to effect positive change in the delivery of library services.



The soft whirring of 16 mm. cameras backgrounded the 13th annual College and University Self-Study Institute on "The Public Challenge and the Campus Response." Speakers included Dr. Warren Martin, of the Center for Research and Development in Higher Education, Berkeley; and Dr. John Silber, president, Boston U.



MOUNTAIN STATES REGIONAL MEDICAL PROGRAMS

To develop programs in response to major needs in the four states of Idaho, Montana, Nevada, and Wyoming for continuing education for health personnel and for facilities which will strengthen the capacity of physicians and other health professionals to treat heart disease, cancer, stroke, and related diseases.

Operational Programs

1. Core Operation
2. Coronary Care Training—Montana
3. Cancer Education and Treatment Center (Mountain States Tumor Institute)
4. Continuation Education for Health Professionals in Montana
5. Rocky Mountain Tumor Registry
6. Continuing Nursing Education—Nevada
7. Continuing Education in Inhalation Therapy for Physicians, Therapists, and Nurses
8. Consulting Team Approach to Continuing Education for Health Service Personnel in Rural Communities in Nevada
9. Continuing Nursing Education—Idaho
10. Coronary Care Training—Southwest Idaho
11. Continuation Education for Nursing—Wyoming
12. Continuation Education for Nursing—Montana

RESOURCES DEVELOPMENT INTERNSHIP PROGRAM

To promote the productive interchange of ideas between the academic community, including students, and the participants in community organizations throughout the West, especially by means of the process of service-learning, by building bridges between educational institutions and community organizations, and by developing new and innovative supplementary projects.





division of mental health and related areas

It's a leap of lifetimes and of life styles—from the bloody past and grey frustration of the streets in Watts, here symbolized by Watts Towers, to the bright, sun-filled promises of this young artist for whom the behavioral sciences offer up their best.

Such is the range encompassed by WICHE's Division of Mental Health and Related Areas. Eight separate programs cover the span from "street training" in such poverty pockets as Watts, California; to special on-campus programs for students, faculty, and administrators; to continuing education efforts for the full range of mental health professionals.

Designed to meet a variety of western needs, WICHE's health programs are diverse and specialized.



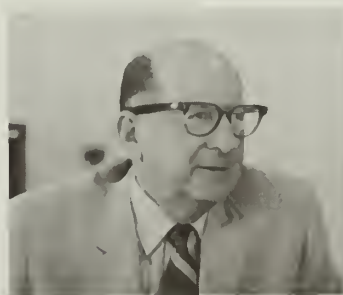
Robert L. Stubblefield, M.D.

But when Division Director Robert Stubblefield, M.D., discusses programming, he talks in terms of *integration* and *interdependence*.

For Dr. Stubblefield, integration means more than mental health programs working together. It means closely relating division programs with programs in health and education. It means a broad perspective of mental health issues and needs—a perspective that is sociological and biological, as well as psychological. In other words, the idea is to create a united front for the common good.

The Division of Mental Health and Related Areas was created in 1956 at the request of the Western Regional Conference of the Council of State Governments. The creation of the division and its advisory board, the Western Council on Mental Health Training and Research, was based on a two-year survey of the needs of the western region.

As for future objectives, Dr. Stubblefield has charted divisional emphases in the areas of •drugs and drug abuse education, •teacher training in early childhood education, and •continuing professional education in the two fields of program evaluation and geriatrics. He also noted an interest in developing programming dealing with Indians and other ethnic groups. These programs would examine family and cultural strengths and develop a core of mental health manpower.



Raymond Feldman, M.D., former director, WICHE Mental Health Division, retired in September, 1971.

division of mental health and related areas



Calling for a return to Indian religions and philosophies, Bud Mason (center), alcoholism worker, Rapid City, S. Dakota, spoke to 100-plus Indians from five southwestern states at a WICHE conference on Indian mental health issues—alcoholism and suicide. Be-feathered dancers from the Albuquerque Indian School were featured at one evening session.



T George Harris, editor, *Psychology Today*, sparked life into a breakfast discussion on education for master's-level psychologists at a conference in San Diego, co-sponsored by WICHE and the American Psychological Association.



Mrs. Menola Upshaw laughs heartily at a quip, while discussing new styles of training programs for regular teachers in the area of special education at a WICHE conference. Mrs. Upshaw is supervisor, Special Education Division, Denver Public Schools.



A founding father of mental health worker training, Dr. John True, of Johns Hopkins Hospital, was a principal speaker at a four-state WICHE conference on community college mental health worker programs.

CONTINUING PSYCHIATRIC EDUCATION FOR PHYSICIANS PROGRAM

To increase the supply of psychiatrist-teachers for nonpsychiatric physicians of the West, in areas remote from training institutions; to provide demonstration study opportunities for physicians practicing in these areas and to stimulate the development of ongoing training programs for them; and to provide liaison for the western region in this field.

WESTERN CONFERENCE ON THE USES OF MENTAL HEALTH DATA

To develop methods of training mental health statisticians, to develop new methods for effective collection and utilization of mental health data, and to develop a vehicle for communication and collaborative research among interested professionals in this field.

COMMUNITY COLLEGE MENTAL HEALTH WORKER PROGRAM

To develop community college educational programs in mental health in order to meet the manpower needs for service delivery in rural areas and to emphasize, particularly, the recruitment and training of Spanish-American and Indian students from rural areas.



First angry words, then a nervous rapprochement as Chicanos from six states met in a continuing education conference on "Implementing Organizational Change in the West." Participants included (l. to r) Bernardo Lujan, of Denver; Eloy Apodaca, director, Chicano Institute, Seattle, Washington; Dr. Juan Ramos, special assistant to Director, National Institute of Mental Health; and Miss Julia Soto, of Tucson, Arizona.

SPECIAL EDUCATION FOR GENERAL EDUCATORS

To improve the understanding and capability of general educators—especially those already working in regular classrooms, in the inner city, and in geographically remote areas—in teaching exceptional children, by providing assistance to institutions and agencies in the 13 western states as they plan special training programs and special education programs for the delivery of services.

IMPROVING MENTAL HEALTH SERVICES ON WESTERN CAMPUSES

To assist four-year colleges and universities in the 13 western states to improve the organization and delivery of mental health related services throughout their campus communities.



Staffers from California Youth Authority institutions tested their grit and learned first-hand about ghetto life during four days of "street training" in Watts, California last spring. Ghetto-bred trainers were used for the sessions. They included 15-year-old Kenny Carter (left), brother of Black Panther "Bunchy" Carter, who was shot down by a rival group of black militants; and Volly Bastine (above, left), teacher, Drew Junior High School. Above, right. On the street, this white CYA trainee finds himself alone and very lonely.

MENTAL HEALTH CONTINUING EDUCATION

To help develop a collaborative field of continuing education for mental health personnel in the West, a field linked by mutual planning among leaders in university programs and treatment agencies and characterized, eventually, by a variety of flexibly designed, short, intensive courses for members of the core professions in both urban and rural settings.

DEANS AND FACULTY OF SCHOOLS OF SOCIAL WORK PROGRAM

To involve the deans of the graduate schools of social work in the western states in a program of continuing education which provides for their own professional development and enables them to share in the development of opportunities for continuation of their faculties; and to provide support for a regional workshop program for graduate school faculty.

CORRECTIONS PROGRAM

To provide in-service training for juvenile and adult correctional personnel in eleven of the thirteen western states under two separately funded projects—Regional Institute for Corrections, Administrative Study; and Nationwide Educational Programs for Institutionalized Children.

national center for higher education management systems at WICHE

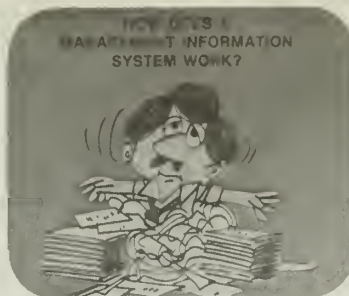
The National Center for Higher Education Management Systems (NCHEMS) means people working together to solve some of the tough problems in higher education—principally management problems.

This WICHE Division has three broad goals: (1) the improvement of institutional management, (2) the improvement of statewide coordination of higher education, and (3) the improvement of decision-making processes on the highest national levels.

The process for achieving these goals is to design, develop, and facilitate the implementation of systems for planning and management which can be used at all levels of higher education.

Basically, the NCHEMS systems are tools—management tools. And when they are put to work, they help the decision maker in higher education to do a better job. The tools help the administrator gather the perti-

Dr. Ben Lawrence



Dr. Robert Huff, director, NCHEMS Training and Implementation Unit is shown here with a slide from one of the unit's instructional presentations.

nent raw data and translate these isolated facts into useful information. All of this means the quick identification of more and clearer options for education's managers, who then should make better decisions.

A central part of decision making and NCHEMS work is *accountability*, that catchword that asks: Do the benefits of higher education justify the costs?

NCHEMS Director Ben Lawrence notes that legislators, parents, and the public in general want to know what they are getting for the tax dollar. Educators, too, are concerned with accountability and other budget questions. They must balance tight money against rising costs, increased enrollments, and new program demands. NCHEMS is busy developing the tools to help answer those questions raised by this growing demand for accountability.

Even with all the talk of accountability, systems, and computer-age technology—the key in NCHEMS is people. These people are in all 50 states and at 725 institutions who use these management tools and are affected by them. For this reason, NCHEMS staff involves them at every level of program construction and implementation, seeking their advice and asking their consultation.

In other words, the principal designers and constructors of NCHEMS programs are the people affected by them. They include college and university faculty and administrators, students, members of governing boards and coordinating councils, legislators, and others.

As indicated by its title, this WICHE Division has been designated as a "national center" by the U.S. Office of Education, which is funding NCHEMS at \$1 million yearly. Before the name change this year, NCHEMS was known as the Division of Planning and Management Systems.

NCHEMS is composed of 23 separate programs, which are generally divided into three units. The units are Development and Applications, Research, and Training and Implementation.



national center for higher education management systems at WICHE

MANPOWER ACCOUNTING MANUAL

To provide standard categories for classifying and reporting employee activities typically associated with jobs and positions in colleges and universities.

DATA ELEMENT DICTIONARY

To establish uniform sets of definitions for the data to be used in the Center's program. Uniform data elements are the foundation for the development of compatible data bases in the participating institutions.

PROGRAM CLASSIFICATION STRUCTURE

To design a taxonomy of higher education programs that will serve as the framework for comparable data exchange and reporting, assist in program budgeting, and serve as the framework for the development of generalized analytical models.

STUDENT FLOW MODELS

To develop analytical models that will predict student enrollment and simulate student progression through postsecondary education at both the institution and state system level.

FACULTY ACTIVITY ANALYSIS

To develop standard procedures for analyzing faculty activities and to design techniques that may be used to assist in compatible exchange of the data.

RESOURCE REQUIREMENTS PREDICTION MODEL

To develop simulation models to project resource requirements to aid institutional decision makers in the allocation of higher education resources.

INFORMATION EXCHANGE PROCEDURES

To define conventions regarding the manner in which institutional data may be aggregated and arrayed for interinstitutional comparison.

WICHE's 7th biennial Legislative Work Conference keyed an NCHEMS management systems during three days of sessions on "Legislative Decision Making in Higher Education: How To Get the Facts." Speakers included Rep. Genie Chance (right), of Alaska; keynote speaker Jahn Keller (below, left), consultant, Hawaii Department of Budget and Finance; and Sen. Harold Giss (below, right), of Arizona.



COST FINDING PRINCIPLES

To develop costing methodologies that will permit cost analysis of the various activities in higher education.

HIGHER EDUCATION FINANCE MANUALS

To describe procedures for translating institutional financial data into program structures designed to meet the particular needs of decision makers at the institutional, state, and national levels.

FACILITIES INVENTORY AND CLASSIFICATION MANUAL

To revise the federal *Higher Education Facilities Classification and Inventory Procedures Manual*.

NATIONAL SEMINAR ON HIGH- ER EDUCATION MANAGEMENT

To conduct a national seminar for the purpose of identifying issues fundamental to developing and implementing comprehensive state planning and management systems.



Seventy educational leaders, government officials, and state legislators examined the issues and design of statewide planning for postsecondary education at the 3rd national invitational seminar co-sponsored by NCHEMS. Among the participants were at left, Dr. Lyman Glenn, associate director, Center for Research and Development in Higher Education, Berkeley; and above, Sen. Lynn Newbry (left), of Oregon with Dr. Roy Lieuallen, chancellor, Oregon State System of Higher Education.

GENERAL TRAINING

To promote the adoption and implementation of new higher education management tools and techniques.

TRAINING MATERIALS AND TECHNIQUES

To develop a variety of training materials and techniques for use in providing instructional experiences that will ensure that the new management tools being developed under the Center's aegis will be fully understood by the higher education community.



Dr. Robert Wallhaus (above), director, NCHEMS Research Unit, and Dr. Warren Gulko (left), director, NCHEMS Development and Applications Unit, answer questions and explain details of their programs at the Legislative Work Conference, in Phoenix.

TRAINING NETWORK

To meet the training needs of institutions and agencies throughout the country on the development and implementation of management technologies.

CENTER PRODUCT WORKSHOPS

To develop and conduct the Center product workshops to include details of specific Center products.

VISITING PROFESSIONALS TRAINING PROGRAM

To provide an opportunity for institutional or agency representatives to obtain a full understanding and working knowledge of NCHEMS developmental work and to contribute in a meaningful fashion to some specific aspect of the Center's developmental work.

A STUDY OF FEDERAL FINANCING PLANS FOR HIGHER EDUCATION

Phase I: To evaluate and make recommendations for implementation relative to a specific federal general assistance plan for higher education. Phase II: To investigate systematically the financial needs of higher education and to develop and analyze alternative federal financing plans with the objective of making recommendations for implementing a plan or set of plans that best addresses the identified financial needs of higher education.

STATEWIDE PLANNING SYSTEMS

To conceptualize statewide planning systems that will result in design specifications for such additional programs as analysis of manpower trends, statewide planning and resource allocation models, and information systems for statewide planning.

STUDENT FLOW

To advance the state-of-the-art in student flow analysis by generalizing such concepts as student cohorts, transitions, state-of-the-system, and transition events to encompass a wide range of decision viewpoints of various decision makers. To investigate the stability and predictability of student flow in institutions in statewide systems.

RESOURCE UTILIZATION ANALYSIS

To develop techniques which will aid institutions in more efficient utilization of the resources available to them. This project is primarily directed to such operational or logistical functions of institutions as inventory management, work scheduling, space utilization, and course scheduling.

OUTPUTS OF HIGHER EDUCATION

To improve planning, evaluation, and decision making in higher education by developing quantitative measures and qualitative understandings of the outputs of education programs.

RESOURCE ALLOCATION AND PLANNING MODELS

To develop long-range improvements in the use and predictive capabilities of resource allocation and planning models. To develop techniques that facilitate the study of the resource implications of institutional output experiments and development of methodologies for studying feasible planning of alternatives.

the WICHE student exchange

	MEDICINE																	DENTISTRY								VETERINARY MEDICINE				
	LL	STAN	ARIZ	UCLA	UCSF	UCSD	UCD	UCIRV	COLO	HAW	NEV	NM	ORE	USC	UTAH	WASH	NC	TOTAL	LL	UCLA	UCSF	ORE	UOP	USC	WASH	TOTAL	CSU	UCD	WSU	TOTAL
ALASKA	1		1		1				2			2	4			5	1	17							2	2				
ARIZONA	3	3			1	1			5					1	6	3		23	7	8	3	11	8	16	2	55	19	1	10	30
COLORADO																			1	1	1	9	1	1	7	21				
HAWAII		1		6	1		1		3					1	1	17		31	1	2	1	3		2	2	11	1		2	3
IDAHO	1	1	2			1			2			1	22		18	10		58	1	1	1	18	4		13	38	13		19	32
MONTANA	2	2			1				18			1	11		4	11		50	1			9			4	14	22		34	56
NEVADA	2	1	1	3	1		1		5			6	7		4			31	3	3	2	10	10	6	2	36	7	1	7	15
NEW MEXICO																			1	1		2	3	2		9	24		7	31
OREGON																											12	1	26	39
UTAH																			1		1	4	1		3	10	11	1	4	16
WYOMING	1	4							13			3	4	2	5	5		37				3			4	7	23		3	26
TOTAL	10	12	4	9	5	2	2		48			13	49	9	35	48	1	247	16	16	9	69	27	27	39	203	132	4	112	249

RECEIPT OF SUPPORT FEES BY INSTITUTION

Institutions		Support Received	State Total
ARIZONA			\$ 12,000
ARIZ	University of Arizona Medicine	\$ 12,000	
CALIFORNIA			\$412,335
LL	Loma Linda University	\$ 74,134	
	Medicine	\$30,000	
	Dentistry	38,400	
	Physical Therapy	4,534	
	Occupational Therapy	1,200	
STAN	Stanford University	36,000	
	Medicine		
UCD	University of California, Davis	13,200	
	Medicine	\$ 6,000	
	Veterinary Medicine	7,200	
UCLA	University of California, Los Angeles	65,400	
	Medicine	\$27,000	
	Dentistry	38,400	
UCSD	University of California, San Diego	6,000	
	Medicine		
UCSF	University of California, San Francisco	41,000	
	Medicine	\$15,000	
	Dentistry	21,600	
	Physical Therapy	4,400	
USC	University of Southern California	97,267	
	Medicine	\$27,000	
	Dentistry	64,800	
	Physical Therapy	4,267	
	Occupational Therapy	1,200	
UOP	University of the Pacific	64,800	
	Dentistry		
CHILD	Childrens Hospital of Los Angeles	3,734	
	Physical Therapy		

Institutions		Support Received	State Total
CALIFORNIA Continued			
CSLB	California State College at Long Beach	1,200	
	Physical Therapy		
UCOPT	University of California, Berkeley	1,200	
	Optometry		
LAOPT	Los Angeles College of Optometry	8,400	
	Optometry		
UCIRV	University of California, Irvine	—	
	Medicine		
JOSE	San Jose State College	—	
	Occupational Therapy		
COLORADO			\$401,700
COLO	University of Colorado	\$153,700	
	Medicine	\$144,000	
	Physical Therapy	9,700	
CSU	Colorado State University	248,000	
	Veterinary Medicine	237,600	
	Occupational Therapy	10,400	
RANGE	Rangely College	—	
	Dental Hygiene		
HAWAII			
HAW	University of Hawaii	—	
	Medicine		
IDAHO			\$ 7,000
ISU	Idaho State University	\$ 7,000	
	Dental Hygiene		

summary of cash receipts and disbursements for the year ended june 30, 1971

Source of Income: CASH BALANCE, JULY 1, 1970 342,117

CASH RECEIPTS, 1970-71

Appropriations from Member States	195,000	
Student Exchange Support Fees from States	1,633,303 ¹	
State Mental Health Contributions	90,000	
Grants and Contracts	4,423,360	
Institute and Seminar Fees	28,666	
Interest	46,553	
Sale of Publications and Other Training Materials	34,409	
Miscellaneous	8,058	6,459,349

TOTAL CASH AVAILABLE FOR USE 6,801,466

Cash Disbursements by Program or Activity:

WICHE ADMINISTRATIVE AND BASIC OPERATION FUNDS 560,065²

PROGRAM FUNDS:³

Student Exchange Coordination	14,439	
Student Exchange Support Payments to Schools	1,629,603 ¹	
Special Higher Education Programs	60,598	
Institutional Research Conference	21,986	
Continuing Education for Library Personnel	40,343	
Administrative Development for Department Chairmen	10,397	
Higher Education Programming for Satellite Communication	3,415	
Rocky Mountain Community College Consortium	788	
Nursing Council Program	50,169	
Leadership Continuing Education Program for Nurses	247,048	
Improvement of Nursing Curricula	105,821	
Nursing Measuring Instruments Program	685	
Nursing Research Conferences	22,692	
Continuing Education for Psychiatric Nurses	65,035	
Nursing Faculty Development for Minority Group Needs	11,178	
Regional Medical Program	1,740,046	
Resources Development Internships	118,537	
Planning and Management Systems Programs	918,596	
Psychiatric Education for Physicians Program	42,802	
Regional Institute for Corrections, Administrative Study	63,156	
Regional Training for Teachers of the Confined Delinquent	33,918	
Special Education and Rehabilitation Program	72,205	
Mental Health Continuation Education Program	82,279	
Undergraduate Helping Services Program	30,552	
Improving Mental Health Services on Western Campuses	61,213	
Mental Health Data Conference	77,569	
Mental Health Manpower Office	59,319	
Social Work Graduate Deans and Faculties Program	29,942	
Community College Mental Health Worker Program	43,640	
Refunds to Grantors	423	6,218,459

CASH BALANCE, JUNE 30, 1971 583,007⁴

(1) The difference between these two amounts reflects amounts carried over to the next year.

(2) This includes expenses of the executive director's office, associate directors' offices (that portion allocated for administration and program development), administrative services office, publications unit, public information unit, personnel office, and meetings of the Commission and the Mental Health Council.

(3) Direct cost expenditures only are shown for program funds. Indirect costs are charged internally to programs, but they are not included in program expenditures above because they are reflected in the WICHE administrative and basic operation expenditures.

(4) This balance represents primarily advance payments on grants in addition to a contingency balance of \$247,854 and an operating reserve of \$15,000, both of which have been authorized by the Commission.

In accordance with the provisions of the Western Regional Education Compact, the Commission provides for an annual independent audit of its books. On July 13, 1971, the firm of Haskins and Sells, certified public accountants, completed this audit for the year ended June 30, 1971. A copy of their report has been sent to the Governor of each state. Single copies are available on request.

John C. Staley,
Administrative
Services Officer



10 Year Comparison of State and Non-State Funds, 1961-62, 1970-71

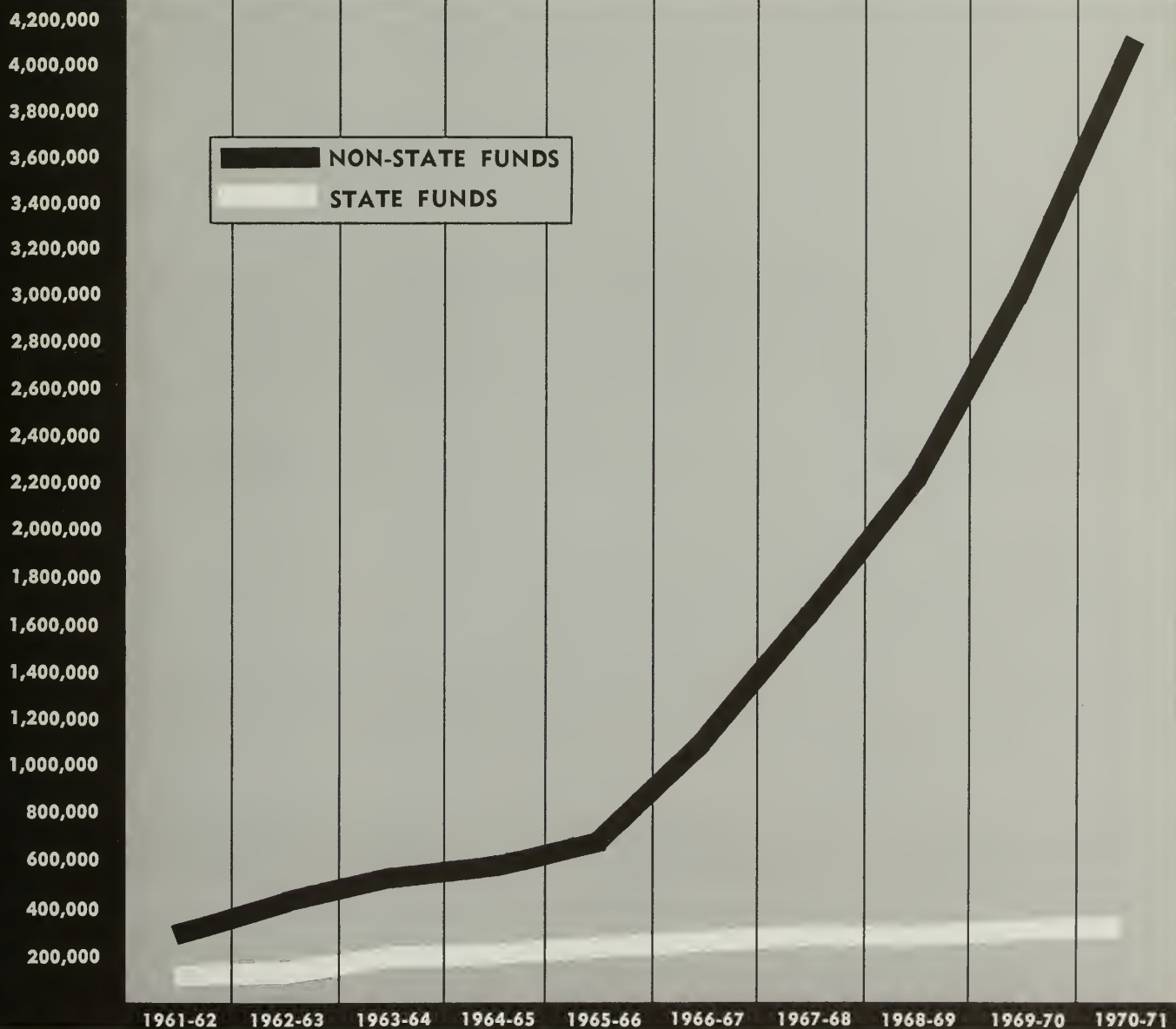
STATE FUNDS:

State appropriations, distributed in accordance with the year due. Does not include state funds paid to professional schools under the Student Exchange Program.

NON-STATE FUNDS:

Funds expended for special regional projects from grants from private foundations and public agencies outside the region.

YEAR	STATE FUNDS	NON-STATE FUNDS
61-62	130,000	364,111
62-63	130,000	492,095
63-64	195,000	582,278
64-65	195,000	598,546
65-66	202,500	683,668
66-67	217,500	1,156,366
67-68	255,000	1,618,063
68-69	270,000	2,230,661
69-70	285,000	3,134,973
70-71	285,000	4,134,390



publications

WICHE publications are available free, except where noted, while the supply lasts, from the Publications Unit, WICHE, P.O. Drawer P, Boulder, Co. 80302. Publications noted as out of print are obtainable through interlibrary loans from any of the depository libraries listed. A complete list of available publications is available from the WICHE Publications Unit.

I. GENERAL

WICHE ANNUAL REPORT 1970. A brief description of WICHE activities during 1970. (Out of Print.)

WICHE REPORTS ON HIGHER EDUCATION. A newsletter containing information about WICHE programs and articles of general interest on higher education. Copies of the last four issues are usually available.

THIS IS WICHE. A leaflet describing WICHE's activities and goals.

LEGISLATIVE DECISION MAKING IN HIGHER EDUCATION: HOW TO GET THE FACTS. The program for WICHE's Legislative Work Conference on Higher Education. (The proceedings of this conference will be available in March 1972.)

THE INSIDE . . . WICHE's bi-monthly internal house organ.

II. REGIONAL PROGRAMS —GENERAL

COMMUNICATING NURSING RESEARCH: METHODOLOGICAL ISSUES IN RESEARCH. Marjorie V. Batey, editor.

ABOUT WCHEN. A revised edition of a pamphlet describing the history, organization, and programs of the Western Council on Higher Education for Nursing.

A DESCRIPTIVE APPROACH TO A COMMUNITY. A 60-minute videotape of a presentation by Dr. James Kent of the Foundation for Urban and Neighborhood Develop-

ment during the summer sessions of the WICHE Nursing Curriculum Improvement Project. Available on either 1/2" Sony or 1" Ampex. Rental charge \$5.00.

GUIDELINES FOR DEVELOPING CONTINUING EDUCATION PROGRAMS IN NURSING IN THE WEST. Prepared by the Western Council on Higher Education for Nursing.

COMMUNICATING NURSING RESEARCH: IS THE GAP BEING BRIDGED? Marjorie V. Batey, editor.

YOUR STATE CAN HELP YOU SECURE YOUR EDUCATION IN MEDICINE, DENTISTRY, DENTAL HYGIENE, OCCUPATIONAL THERAPY, OPTOMETRY, PHYSICAL THERAPY, VETERINARY MEDICINE. The informational brochure of WICHE's Student Exchange Program.

THE PUBLIC CHALLENGE AND THE CAMPUS RESPONSE. The announcement of the 13th Annual College and University Self-Study Institute. (The proceedings of this institute will be available in February 1972 at \$3.50 per copy.)

THE MINORITY STUDENT ON THE CAMPUS: EXPECTATIONS AND POSSIBILITIES. Robert A. Altman and Patricia O. Snyder, editors. \$3.50.

FRESHMAN AND TRANSFER VACANCIES IN WESTERN COLLEGES AND UNIVERSITIES — FALL, 1971. The report of a WICHE survey.

CREDIT BY EXAMINATION. Robert A. Altman, Carolyn M. Byerly, and J. Quentin Jones, editors.

MINERAL ENGINEERING STUDENT EXCHANGE PROGRAM. A folder describing this WICHE program and listing the participating states and cooperating institutions.

WICHE RESOURCES DEVELOPMENT INTERNSHIP PROGRAM. A folder describing this WICHE program.

RESOURCES DEVELOPMENT INTERNS' REPORTS. Each intern submits a report of the recommendations or results of his project. These reports, a partial list of which follows, are published in limited quantity and are distributed to selected agencies and interested individuals.

A METHODOLOGY FOR EVALUATING THE CALIFORNIA STATE LIBRARY SERVICE TO INDUSTRY, by Ellery Sarkin.

LAND USE CLASSIFICATION PROJECT, by Kent Mallahan.

SURVEY OF LAND USE TOOLS AND IMPLEMENTATION, by Craig Kirkwood.

MOBILE AND MODULAR HOME REGULATIONS, by Kathy Adams.

FUNDING FOR AIRPORT DEVELOPMENT, by Erick Sawell.

THE PUEBLO RESERVOIR AND PUEBLO WEST, by Gary Schillinger.

EMPLOYER TRAINING NEEDS AND THE DENVER CONCENTRATED EMPLOYMENT PROGRAM, by Martha Daly.

LAKEWOOD STREET RIGHT-OF-WAY REPORT, by N. Fraser Lambert.

INTERN PROGRAM PUBLIC RELATIONS, by Jennie Baurne.

INTERNSHIPS IN DRUG EDUCATION: A FEASIBILITY STUDY, by Lee Cheaney.

HOUSING REHABILITATION, by Daniel Caok.

LOCAL GOVERNMENT MODERNIZATION, by Robert Bellandi.

A SKILL CENTER FOR THE RENO/SPARKS AREA, by George Cottan.

STATE OF NEW MEXICO ECONOMIC DEVELOPMENT PROFILE, by Ralph Raunds.

BERNALILLO'S WATER AND SEWER SYSTEMS, by Keith Wagan.

CITY-COUNTY CONSOLIDATION, by Bruce Harder.

REVENUE ESTIMATING OF OREGON'S PERSONAL AND CORPORATE INCOME TAX, by Robert Lund.

TRANSPORTATION NEEDS IN CHEYENNE'S MODEL NEIGHBORHOODS, by Kathryn Krieger.

SOIL DATA FOR LAND-USE PLANNING, by Rex Burns.

MOUNTAIN GROWTH AND DEVELOPMENT—JEFFERSON COUNTY, by Elizabeth Lasinski.

MONTANA COMMUNITY BETTERMENT CONTEST, by Randy Swartout.

A SURVEY OF RETAIL BUYING HABITS, by Howard Heinicke.

ALBUQUERQUE GOALS PROGRAM, by Robert M. Jones.

AQUACULTURAL POSSIBILITIES IN KEAUKAHA, by Frances Liu.

INFORMATIONAL NEEDS OF SMALL BUSINESSMEN IN THE CENTRAL BUSINESS DISTRICT OF HILO, HAWAII, by Lloyd Matsunami.

DENVER CONCENTRATED EMPLOYMENT PROGRAM SERVICE DELIVERY SYSTEM, by Daniel Kagan.

OREGON'S INTERNATIONAL TRADE, 1970, by William Beebe.

PUEBLO PLANS FOR THE FUTURE, by Dana Heuchemeir.

NEW INDUSTRY AND CLARK COUNTY, by Jerald Powell.

COUNCILS OF GOVERNMENTS: WHICH WAY THE FUTURE?, by Bruce Harder.

PROPOSED TRAMWAY ANALYSIS FOR THE PORT OF CASCADE LOCKS, by Wilbur Cander, Larry McCallum, and Marten Michelsen.

HEALTH SCIENCES INFORMATION NETWORK. A folder prepared for the WICHE Mountain States Regional Medical Program, Wyoming.

WYOMING HEALTH PROFILE, UPDATED SUPPLEMENT. WICHE Mountain States Regional Medical Program, Wyoming.

CASSETTES FOR CARDIAC CARE. A folder prepared for the Coronary Care Training Program of the WICHE Mountain States Regional Medical Program, Montana.

ECG FUNDAMENTALS FOR THE DIAGNOSIS OF ARRHYTHMIAS. The announcement of two courses offered by the Coronary Care Training Program of the WICHE Mountain States Regional Medical Program, Montana.

CORONARY CARE TRAINING FOR PHYSICIANS—PHASE II. The announcement of two training courses offered by the Coronary Care Training Program of the WICHE Mountain States Regional Medical Program, Montana.

ECG MONITORING FOR THE ANESTHESIOLOGIST. The announcement of a three-day symposium offered by the Coronary Care Training Program of the Mountain States Regional Medical Program, Montana.

CORONARY CARE SKI WEEKEND. The announcement of a course offered by the Coronary Care Training Program of the WICHE Mountain States Regional Medical Program, Montana.

III. REGIONAL PROGRAMS—MENTAL HEALTH AND RELATED AREAS

IMPROVING MENTAL HEALTH SERVICES ON WESTERN CAMPUSES: SALARY DATA FOR CAMPUS MENTAL HEALTH PROFESSIONALS IN THE WEST, MONOGRAPH NO. 1. James H. Banning and Lu Anne Aulepp.

IMPROVING MENTAL HEALTH SERVICES ON WESTERN CAMPUSES: STAFFING PATTERNS OF CAMPUS MENTAL HEALTH FACILITIES IN THE WEST, MONOGRAPH NO. 2. James H. Banning and Lu Anne Aulepp.

IMPROVING MENTAL HEALTH SERVICES ON WESTERN CAMPUSES: PROGRAM ACTIVITIES AND STUDENT UTILIZATION OF CAMPUS MENTAL HEALTH FACILITIES IN THE WEST, MONOGRAPH NO. 3. James H. Banning and Lu Anne Aulepp.

CAMPUS COMMUNITY MENTAL HEALTH SERVICES. Lu Anne Aulepp, editor. A newsletter printed monthly during the academic year.

COMMUNITY COLLEGE MENTAL HEALTH WORKER PROGRAM. A folder describing this WICHE program.

SPECIAL EDUCATION FOR GENERAL EDUCATORS. A folder describing the objectives and methods of this WICHE program.

SUMMER WORK-STUDY PROGRAM IN MENTAL HEALTH AND RELATED AREAS. A folder describing the program and listing participating schools.

WESTERN GRADUATE PROGRAMS IN CLINICAL PSYCHOLOGY. The results of a survey performed by WICHE's Mental Health Manpower Office.

MENTAL HEALTH MANPOWER IN THE WEST. A general overview of mental health manpower characteristics presented by WICHE's Mental Health Manpower Office.

HAWAII MENTAL HEALTH MANPOWER STUDY 1970. John J. Blaylock. Published by WICHE's Mental Health Manpower Office.

COLORADO MENTAL HEALTH MANPOWER: AN EMPIRICAL STUDY. Robert B. Abelsan. Published by WICHE's Mental Health Manpower Office.

COLORADO MENTAL RETARDATION MANPOWER: SURVEY OF THE DEPARTMENT OF INSTITUTIONS 1970. Robert J. Stephens, et al. Published by WICHE's Mental Health Manpower Office.

publications continued

WESTERN GRADUATE PROGRAMS IN SOCIAL WORK. The results of a survey performed by WICHE's Mental Health Manpower Office.

INTERDISCIPLINARY PROGRAMMING FOR INFANTS WITH KNOWN OR SUSPECTED CEREBRAL DYSFUNCTION, edited by Gene Hensley and Virginia W. Patterson. \$1.00.

MENTAL RETARDATION MANPOWER IN THE WEST. A brief description of selected characteristics of 5,143 people working in state facilities for the mentally retarded in nine western states. Prepared by WICHE's Mental Health Manpower Office.

SELECTIVE MANPOWER DIMENSIONS IN THE CALIFORNIA DEPARTMENT OF MENTAL HYGIENE: A PRELIMINARY SURVEY. Marshall Fels. Published by WICHE's Mental Health Manpower Office.

A SURVEY AND STUDY 1969-1970. A survey and study of Idaho Mental Health workers performed jointly by the Idaho Division of Mental Health and WICHE's Mental Health Manpower Office.

MASTER'S DEGREE PSYCHOLOGISTS. The report of a conference co-sponsored by WICHE and the American Psychological Association.

ACCOUNTING GUIDELINES FOR MENTAL HEALTH CENTERS AND RELATED FACILITIES. Prepared by David L. Salsbery, CPA, and edited by Paul M. McCullough.

ELEVENTH ANNUAL TRAINING INSTITUTE FOR PSYCHIATRIST-TEACHERS OF PRACTICING PHYSICIANS 1971: INNOVATIVE STRATEGIES FOR CONTINUING

EDUCATION AND THE PHYSICIAN'S EMOTIONAL WELL-BEING. Raymond Feldman, editor.

UNDERGRADUATE EDUCATION FOR REHABILITATION AND OTHER HELPING SERVICES. The final report of this WICHE program that operated from 1965 through June 1971. (Limited distribution.)

CORRECTIONS PROGRAM: A REGIONAL APPROACH TO TRAINING. A folder describing this WICHE program and its two projects.

REGIONAL INSTITUTE FOR CORRECTIONS, ADMINISTRATIVE STUDY. A folder describing the methods and objectives of a regional approach to management training in the justice system.

REGIONAL INSTITUTE FOR CORRECTIONS, ADMINISTRATIVE STUDY. A management training design and program guide. Bruce J. Martin, editor.

NATIONWIDE EDUCATION PROGRAMS IN CORRECTIONS. A folder describing the methods and objectives of this Corrections Program project.

PERSPECTIVES ON SOCIAL WORK EDUCATION IN THE 1970s. A report of a program in continuing education for deans and faculties of Graduate Schools of Social Work. Charles W. McCann, editor. (Limited distribution.)

IV. NATIONAL CENTER FOR HIGHER EDUCATION MANAGEMENT SYSTEMS

Most of the publications of this WICHE division are available on a fiscal year annual subscription. The publications marked with a single asterisk below are part of the 1970-

71 subscription; those marked with a double asterisk are a part of the 1971-72 subscription. Single subscription, \$15. Five subscriptions all mailed to the same address, \$30. Ten subscriptions all mailed to the same address, \$40. All publications listed below are available without subscription at the prices noted.

*INVENTORY OF EDUCATIONAL OUTCOMES AND ACTIVITIES, PRELIMINARY FIELD REVIEW EDITION, TECHNICAL REPORT 15. Robert A. Huff. \$1.00.

THE RESOURCE REQUIREMENTS PREDICTION MODEL 1 (RRPM-1): AN OVERVIEW, TECHNICAL REPORT 16. Warren W. Gulko. (Out of Print.) (See Technical Reports 19-23 below.)

**NCHEMS Newsletter. A newsletter reporting technical and professional news about this WICHE division.

**HIGHER EDUCATION FACILITIES PLANNING AND MANAGEMENT MANUALS, TECHNICAL REPORTS 17-1 THROUGH 17-7. Harold L. Dahnke, et al. Manual 1, An Overview. Manual 2, Classroom and Class Laboratory Facilities. Manual 3, Office and Research Facilities. Manual 4, Academic Support Facilities. Manual 5, General Support Facilities. Manual 6, Program Planning and Analysis: The Basis for Institutional and Statewide Facilities Planning. Manual 7, Reference Guide. Sold as a set only. \$7.50.

**HIGHER EDUCATION FACULTY AND STAFF ASSIGNMENT CLASSIFICATION MANUAL, PRELIMINARY DRAFT, TECHNICAL REPORT 18. W. John Minter. (Out of print.) The final edition of this publication under the title A MANUAL FOR MANPOWER ACCOUNTING IN HIGHER EDUCATION will be published and distributed by the National Center for

Educational Statistics, U.S. Office of Education, in 1972.

****HIGHER EDUCATION MANAGEMENT.** A periodical designed to discuss issues related to higher education management.

DATA COMPARABILITY IN HIGHER EDUCATION. Ben Lawrence, et al. (Limited distribution.)

****A RESOURCE REQUIREMENTS PREDICTION MODEL (RRPM-1): AN INTRODUCTION TO THE MODEL, TECHNICAL REPORT 19.** Warren W. Gulko and K. M. Hussain. \$5.00 (See note under TECHNICAL REPORT 23.)

A RESOURCE REQUIREMENTS PREDICTION MODEL (RRPM-1): GUIDE FOR THE PROJECT MANAGER, TECHNICAL REPORT 20. K. M. Hussain. \$5.00.

A RESOURCE REQUIREMENTS PREDICTION MODEL (RRPM-1): REPORT ON THE PILOT STUDIES, TECHNICAL REPORT 21. K. M. Hussain and James S. Martin, editors. \$5.00.

A RESOURCE REQUIREMENTS PREDICTION MODEL (RRPM-1): INPUT SPECIFICATIONS, TECHNICAL REPORT 23. Michael J. Haight, et al. \$5.00.

NOTE: RRPM-1 Packet 1 consists of two copies each of the four publications listed immediately above. The cost of Packet 1 is \$30.00. When ordering please specify RRPM-1 Packet 1.

RRPM-1 Packet 2 consists of A RESOURCE REQUIREMENTS PREDICTION MODEL (RRPM-1): PROGRAMMER'S MANUAL, TECHNICAL REPORT 22, and a tape of RRPM-1 computer programs. The version of RRPM-1 released in December 1971 (RRPM-1.3) was the general model which was designed for large universities. Other specialized versions will become available as follows: Community College (RRPM-1.4), January 30,

1972. Four-year Public College (RRPM-1.5), March 1, 1972. Private College (RRPM-1.6), June 1, 1972. To order, please write or call for special RRPM-1 Packet 2 order blank covering complete tape specifications. \$150.00.

****FACULTY ACTIVITY ANALYSIS: OVERVIEW AND MAJOR ISSUES, TECHNICAL REPORT 24.** Leonard C. Romney. \$1.00.

****STUDENT FLOW MODELS: A REVIEW AND CONCEPTUALIZATION, PRELIMINARY FIELD REVIEW EDITION, TECHNICAL REPORT 25.** C. C. Lovell, \$1.00.

STATEWIDE PLANNING FOR POSTSECONDARY EDUCATION: ISSUES AND DESIGN. Lyman A. Glenney and George B. Weathersby, editors. \$3.50.

****COST FINDING PRINCIPLES AND PROCEDURES: PRELIMINARY FIELD REVIEW EDITION: TECHNICAL REPORT 26.** Gordon Ziemer, et al. \$2.00.

A RESOURCE ALLOCATION AND PLANNING MODEL FOR HIGHER EDUCATION. Robert A. Wallhaus. (Limited distribution.)

PROGRAM CLASSIFICATION STRUCTURE, PRELIMINARY DRAFT. Warren W. Gulko. (Limited distribution.)

GENERAL INSTITUTIONAL ASSISTANCE: A SCHEME THAT DEPENDS ON THE EDUCATIONAL EFFORTS OF THE STATES AND THE ATTENDANCE CHOICE OF STUDENTS. Wayne Kirschling and Rudy Postweiler. (Limited distribution.)

A SYNOPSIS OF A TECHNICAL PAPER ENTITLED GENERAL INSTITUTIONAL ASSISTANCE: A SCHEME THAT DEPENDS ON THE EDUCATIONAL EFFORTS OF THE STATES AND THE ATTENDANCE CHOICE OF STUDENTS. Wayne Kirschling and Rudy Postweiler. (Limited distribution.)

WICHE DEPOSITORY LIBRARIES

Library Periodicals
University of Alaska Library
College, Alaska 99701

Gifts and Exchanges
University of Arizona Library
Tucson, Arizona 85721

Documents General Library
University of California
Berkeley, California 84720

Education and Psychology Library
University of California
Los Angeles, California 90024

Documents Division Librarian
Norlin Library

University of Colorado
Boulder, Colorado 80302

University of Hawaii Library
2550 The Mall
Honolulu, Hawaii 96822

University of Idaho Library
Moscow, Idaho 83843

Monroe C. Gutman Library
Harvard University
Appian Way
Cambridge, Massachusetts 02138

University of Montana Library
Missoula, Montana 59801

Government Publications Dept.
University of Nevada Library
Reno, Nevada 89501

Government Publications Division
University of New Mexico Library
Albuquerque, New Mexico 87106

Documents and Serial Section
Teachers College Library
525 West 120th Street
New York, New York 10027

University of Oregon Library
Attn: Acquisitions Librarian
Eugene, Oregon 97403

Serials Order Department
University of Utah Library
Salt Lake City, Utah 84112

General Reference Section
University of Washington Library
Seattle, Washington 98105

University of Wyoming Library
Laramie, Wyoming 82070

The WICHE staff is a unique cadre of highly trained individuals. These men and women are recognized experts in such fields as medicine, psychiatry, higher education management, nursing, and others. Furthermore, each has that special touch and technique, so necessary for the guidance of group action—an indispensable quality for interstate cooperation.

The 96 professional WICHE staffers are located in the central office in Boulder, Colorado, and in the five offices of the Regional Medical Program in Idaho, Montana, Nevada, and Wyoming.

These men and women are the implementors of WICHE programming.

In addition to the professional staff, special note should be taken of the dedicated and very able members of the WICHE supporting staff. They are the secretaries, clerks, typists, mailroom personnel, and others, who also lend their talents to improve interstate cooperation in the West.

WICHE: staff

As of January, 1972

ADMINISTRATION

Robert H. Kroepsch, Ed.D., Executive Director
Bob L. Brown, B.S., Personnel Director
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James H. Banning, Ph.D., Director, Improving Mental Health Services on Western Campuses

Bernard L. Bloom, Ph.D., Consultant, Mental Health Programs

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Julia M. O'Rourke, Staff Assistant, Corrections Program

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Alfred L. Tate, B.S., Staff Associate, Nationwide Education Programs in Corrections



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Dennis P. Jones, M.S., Assistant Program Director, Development and Applications Program

Wayne R. Kirschling, Ph.D., Staff Associate, Ford Research Unit

Charles W. Manning, Ph.D., Staff Associate, Training and Implementation Program

James S. Martin, B.A., Staff Associate, Development and Applications Program

Sid S. Micek, M.A., Research Associate, Ford Research Unit

W. John Minter, Ph.D., Staff Associate, Policy Planning and Program Development

Kathleen Neward, B.S., Staff Assistant, Training and Implementation Program

Laszlo A. Pook, M.S., Graduate Associate, Development and Applications Program

Leonard C. Romney, M.A., Staff Associate, Development and Applications Program

Karyn E. Smith, B.A., Staff Assistant

James R. Topping, Ph.D., Staff Associate, Development and Applications Program

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Michael E. Young, B.S., Staff Associate, Training and Implementation Program

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John A. Bowers, M.D., Consultant

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public and private granting agencies

In the past 16 years, WICHE has received grant and contract commitments totaling more than \$24 million from public and private granting agencies for the support of a wide variety of regional programs which have contributed to the development of the 13 western states. Most of these agencies have made two or more grants to WICHE, thus underscoring a growing national interest in regional cooperation. In the last analysis, the people of the West are the ones who benefit from the investment of this risk capital, and on their behalf WICHE expresses appreciation to the organizations and agencies listed below.

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Division of Community Health
Division of Nursing
Division of Regional Medical Programs
National Institute for Child Health and Human Development
National Institutes of Health
National Institute of Mental Health
Rehabilitation Services Administration

councils, committees, advisory groups

Each year, the annual report has listed the names of those westerners who have contributed to WICHE's cooperative efforts. Last year, 14 pages were devoted to this purpose.

In 1971, more westerners than ever were involved in WICHE's programming. But in the interest of economy—and with deep regret—this feature has been omitted from this publication.

We hope that the professional growth that has resulted from this involvement—together with the personal satisfaction of working with colleagues across state lines—will suffice in lieu of public recognition and acknowledgment.

Without the contributions of these hundreds of westerners who give of their time, energy and wisdom, there would be no WICHE. To them, the people of the West owe a huge debt of gratitude.

